Ceramite® Air Blaster Nozzles

Superior Performance in Wear Resistant Applications

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Ceramite® is a family of advanced ceramics incorporating inorganic composite materials and densely packed micro particles. Ceramite® is formulated to yield high abrasive wear resistance, excellent mechanical strength, resistance to high temperature and thermal shock conditions. Ceramite® cast, hi-fired shapes are designed and produced to your specific application. A Ceramite® Trowellable formulation is available for on site application to replace missing ceramic tile or other worn-out abrasive resistant materials.

Properties & Qualities

- Ceramite® is a technology adapted to high quality blends of bauxite and silicon carbide aggregates.
- Ceramite® provides unique heat resistance with temperatures up to 2700°F (1482°C).
- Ceramite's® high density provides low porosity against chemical attack and gases.
- Ceramite® exhibits ultra-high wear properties and mechanical strength.
- Ceramite® increases the operating lifetime of refractory and metallic parts.

Ceramite® CSA Ceramic Air Blaster Nozzles outperform steel and cast iron blasters in the hottest areas of cement plants.

Ceramite® Air Blasters **WILL NOT…**

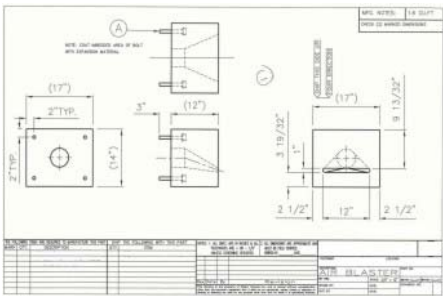
- ☒ Oxidize
- ☒ Crack
- ☒ Shrink
- ☒ Abrade

Ceramite® Ceramic Air Blaster Nozzles are engineered, precast and high fired using an advanced technology developed by Elkem Materials. This castable is the ultimate wear resistant material that exhibits outstanding thermal shock resistance, high temperature strength, alkali resistance and outstanding mechanical strength.

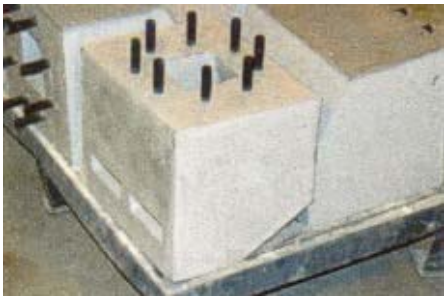
Hundreds of Ceramite® CSA Air Blasters are in service worldwide. Many of these are entering the ***fourth year*** of service **WITHOUT REPLACEMENT.**

Plants that have installed or ordered:

- Queensland Cement, Australia
- Alsen Lagerdorf, Germany
- Buzzi Unicem, Italy
- Lafarge Kirchdorfer, Austria
- Leube Zementwerk, Austria
- Ceva Prahavice, Czech
- Norcem Brevik, Norway
- Lafarge, Slovenia
- Cemex, USA
- Essroc, USA
- Lehigh, USA
- Lone Star, USA
- Lafarge Cement, Canada
- St. Lawrence Cement, Canada



Engineered drawing for every shape



All bolt on hardware is provided

Internal view of Blasters in position

Ready for Service

INDUSTRIES SERVED

- Refining
- Rock Products
- Chemical
- Steel
- Non-Ferrous
- Die-Casting
- Power Generation
- Incineration
- Zinc
- Boiler Manufacturing
- Primary Aluminum
- Secondary Aluminum
- Precast Manufacturing
- Mineral Processing
- O.E.M. Furnace Builders
- Cremation